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## 12.7mm Dia. 780nm $\lambda/4$ Quartz Waveplate Zero Order



Stock **#85-025** **2 In Stock**

- 1 + €472.<sup>00</sup>

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### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-5    | €472,00 each                  |
| Qty 6+     | €381,00 each                  |
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**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Crystalline Waveplate **Type:**

### Physical & Mechanical Properties

8.00 **Clear Aperture CA (mm):**

12.70 +0.00/-0.25 **Diameter (mm):**

6.40 +0.00/-0.25      Thickness (mm):

Crystalline      Construction:

<3      Parallelism (arcsec):

## Optical Properties

Laser V-Coat (780nm)      Coating:

780      Design Wavelength DWL (nm):

Crystal Quartz      Substrate: □

$\lambda/4$       Retardance:

10-5      Surface Quality:

$\lambda/10$  for central 80% of clear aperture      Transmitted Wavefront, P-V:

$\pm\lambda/200$       Retardance Tolerance:

0.0001      Temperature Coefficient ( $\lambda/^\circ\text{C}$ ):

0      Retardance Order:

## Regulatory Compliance

[Compliant](#)      RoHS 2015:

[View](#)      Certificate of Conformance:

[Compliant](#)      Reach 240:

## Product Details

- Zero Order and Multiple Order Waveplates
- $\lambda/4$  and  $\lambda/2$  Retardance
- Mounted in Black Anodized Aluminum Frame
- [Zero Order Polymer Waveplates](#) Also Available

Quartz Waveplates (Retarders) are available in multiple order and zero order. These waveplates are ideal for a range of applications. Multiple order waveplates are ideal for applications where the wavelength deviates less than  $\pm 1\%$  from the design wavelength of the waveplate. For applications with a greater than  $\pm 1\%$  deviation, zero order waveplates are recommended due to their increased bandwidth and lower sensitivity to temperature change. Quartz Waveplates (Retarders) have the fast axis marked on the edge of the mount to ease system integration.



## Technical Information

